

# ACKNOWLEDGEMENT RECEIPT

Electronic Version 1.1

Stylesheet Version v1.1.1

**Title of  
Invention**

**METHOD AND APPARATUS FOR INCREASING COMPUTER  
MEMORY PERFORMANCE**

Submission Type : Utility Patent Filing

Application Number:

10/711653



EFS ID:

69544

Server Response:

Confirmation Code	Message
ISVR1	Submission was successfully submitted - Even if Informational or Warning Messages appear below, please do not resubmit this application
ICON1	5652
USPTOEFSNot	For assistance with e-filing a patent application, contact the Patent Electronic Business Center: Toll-Free Number:1(866) 217-9197 Website: <a href="http://www.uspto.gov/ebc/">http://www.uspto.gov/ebc/</a>

First Named Applicant: Ryan Petersen

Attorney Docket Number: A4-1840

Timestamp: 2004-09-29 16:46:12 EDT

From: us

File Listing:

Doc. Name	File Name	Size (Bytes)	Date Produced (yyyymmdd)
us-fee-sheet	HartmanA4-1840-usfees.xml	1672	2004-09-29
us-fee-sheet	us-fee-sheet.xml	24912	2004-09-29
us-fee-sheet	us-fee-sheet.dtd	11069	2004-09-29
us-declaration	HartmanA4-1840-usdecl.xml	1004	2004-09-29
us-declaration	us-declaration.dtd	3833	2004-09-29
us-declaration	us-declaration.xml	10015	2004-09-29
us-power-of-attorney-grant	HartmanA4-1840-uspoat.xml	1305	2004-09-29
us-power-of-attorney-grant	us-power-of-attorney-grant.dtd	4923	2004-09-29
us-power-of-attorney-grant	us-power-of-attorney-grant.xml	12448	2004-09-29
us-request	HartmanA4-1840-usrequ.xml	2479	2004-09-29
us-request	us-request.dtd	19064	2004-09-29
us-request	us-request.xml	33904	2004-09-29
application-body	A4-1840.xml	40090	2004-09-29
application-body	application-body.dtd	49498	2004-09-29
application-body	image1.tif	821449	2004-09-29
application-body	image2.tif	821449	2004-09-29
application-body	soamsa.ent	5191	2004-09-29
application-body	soamsb.ent	3988	2004-09-29
application-body	soamsc.ent	1460	2004-09-29
application-body	soamsn.ent	5620	2004-09-29
application-body	soamsso.ent	1934	2004-09-29
application-body	soamsr.ent	7073	2004-09-29
application-body	sobox.ent	3568	2004-09-29
application-body	socy1.ent	5345	2004-09-29

Doc. Name	File Name	Size (Bytes)	Date Produced (yyyymmdd)
application-body	socyr2.ent	2504	2004-09-29
application-body	sodia.ent	1508	2004-09-29
application-body	sogrk1.ent	4030	2004-09-29
application-body	sogrk2.ent	2259	2004-09-29
application-body	sogrk3.ent	3559	2004-09-29
application-body	sogrk4.ent	1920	2004-09-29
application-body	solat1.ent	5282	2004-09-29
application-body	solat2.ent	9007	2004-09-29
application-body	somfrk.ent	4553	2004-09-29
application-body	somopf.ent	2571	2004-09-29
application-body	somscr.ent	4628	2004-09-29
application-body	sonum.ent	5913	2004-09-29
application-body	sopub.ent	6621	2004-09-29
application-body	sotech.ent	5268	2004-09-29
application-body	mathml2.dtd	54588	2004-09-29
application-body	mathml2-qname-1.mod	13225	2004-09-29
application-body	mmialias.ent	38209	2004-09-29
application-body	mmlextra.ent	7901	2004-09-29
application-body	soextblx.dtd	12870	2004-09-29
application-body	us-application-body.xsl	82504	2004-09-29
application-body	wipo.ent	4956	2004-09-29
application-body-pdf-wrap	A4-1840-pdf-wrap.xml	733	2004-09-29
abstract-pdf	A4-1840-abst.pdf	15147	2004-09-29
claims-pdf	A4-1840-clms.pdf	31984	2004-09-29
description-pdf	A4-1840-desc.pdf	66559	2004-09-29
drawings-pdf	A4-1840-draw.pdf	57308	2004-09-29
package-data	HartmanA4-1840-pkda.xml	9087	2004-09-29
package-data	package-data.dtd	27025	2004-09-29
package-data	us-package-data.xsl	19263	2004-09-29
Total files size		2394275	

Message Digest:

aa26b6d4e78a2c05be62a7e585230b086b5cc989

Digital Certificate Holder  
Name:

cn=Domenica N. S.  
Hartman,ou=Registered  
Attorneys,ou=Patent and  
Trademark  
Office,ou=Department of  
Commerce,o=U.S.  
Government,c=US